CS9200

Car Navigation Box

User Manual Ver.

0.1

Thank you for purchasing CS9200 Navigation Box.
Before you start operating navigation, please refer to the following tips.

1. Optional function would work once you connect external device.
2. Firmware updating should be finished within several minutes.
3. Remember to change the resolution value after changing the panel setting so that both of them will work correctly.
4. If you change setting of resolution or panel inappropriately, error of display or touching control would take place. Under the circumstances, please contact your distributor or agency and get a file named LCD92.inf. Put this file into your SD card and restart the navigation box. (please refer to page 27)

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Main Menu I

Map access

Media Player access

HB, HS, VB adjusting

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Select Panel model

Select System resolution

Touching calibration

to next page

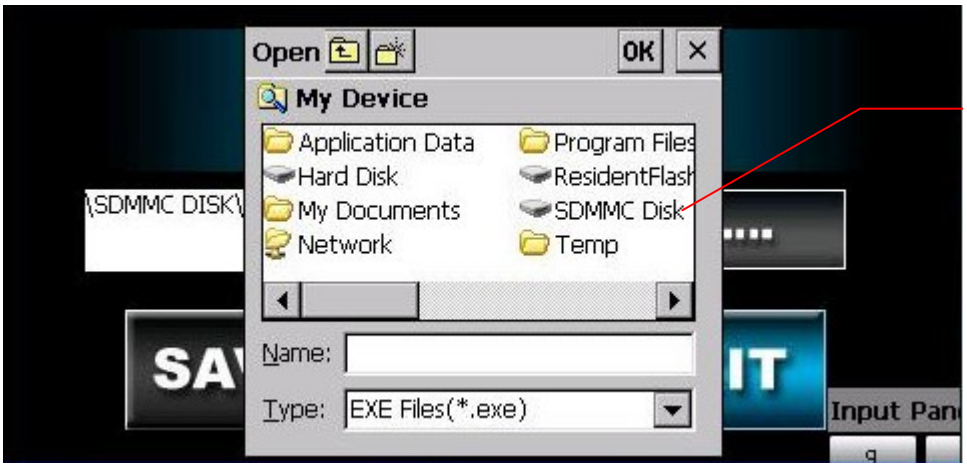
Media Player access

1. Media Player: access to built-in Microsoft media player

2. **User Player: access to your own media player**

3. **User Player Setup: set up the path for "User Player"**

Browse

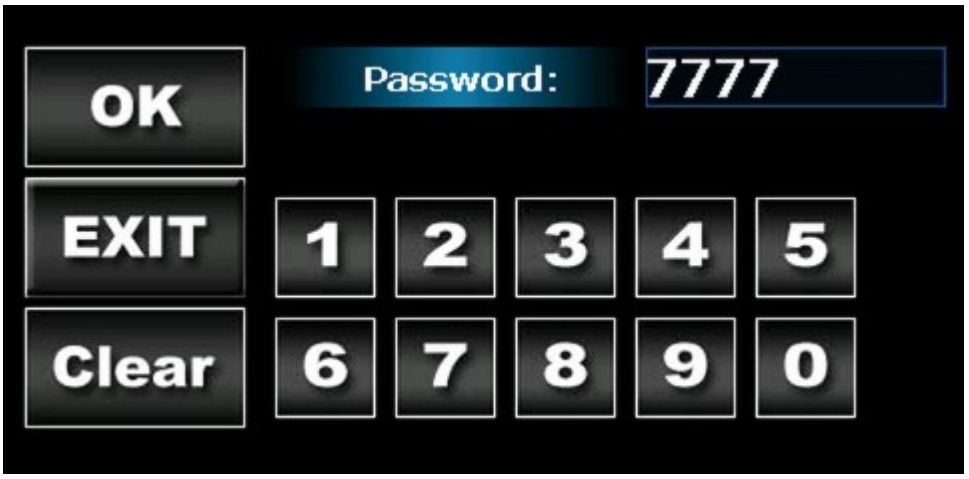


Select where you put your your media player, “SDMMC Disk” or “Hard Disk.”

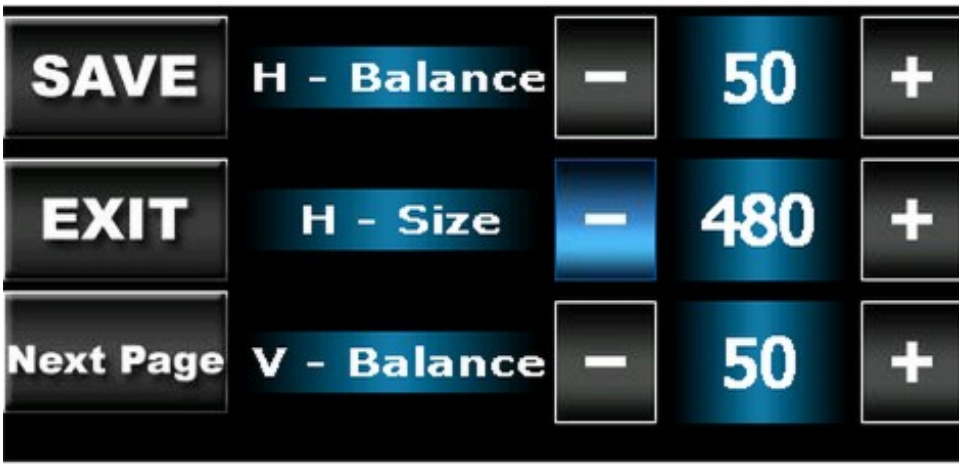
“OK,” and “SAVE.”

Next time when you select "User Player," you will approach your media player.

Adjusting, input code: 7777



1. RGB Adjust:



H-Balance—horizontal Balance of RGB image
H-Size—horizontal Size of RGB image
V-Balance—Vertical Balance of RGB image

Brightness—brightness of RGB image
H – Shift----RGB image horizontal moving
H – Scale----RGB image zoom in and zoom out
If the image is not in the middle, and you can't see the edge, please make an adjusting until you can see the complete image.
P.S.: When you adjusted to a wrong value, you might lost image, but as long as you didn't click "Save," please restart CS9200 and you can reset the values.

2. CVBS Adjust

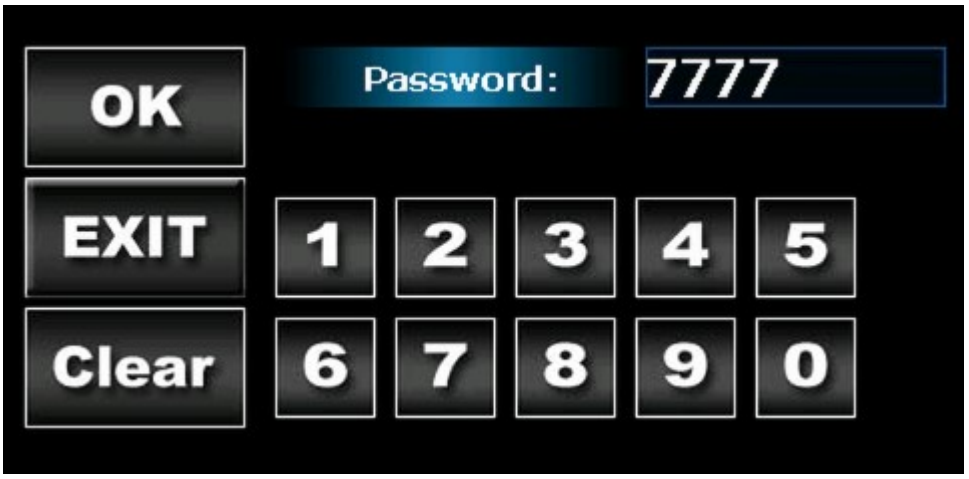
Please select correct CVBS protocol according to your monitor.

Width---width of CVBS image Height---height of CVBS image Brightness---brightness of CVBS image Contrast---color contrast of CVBS image

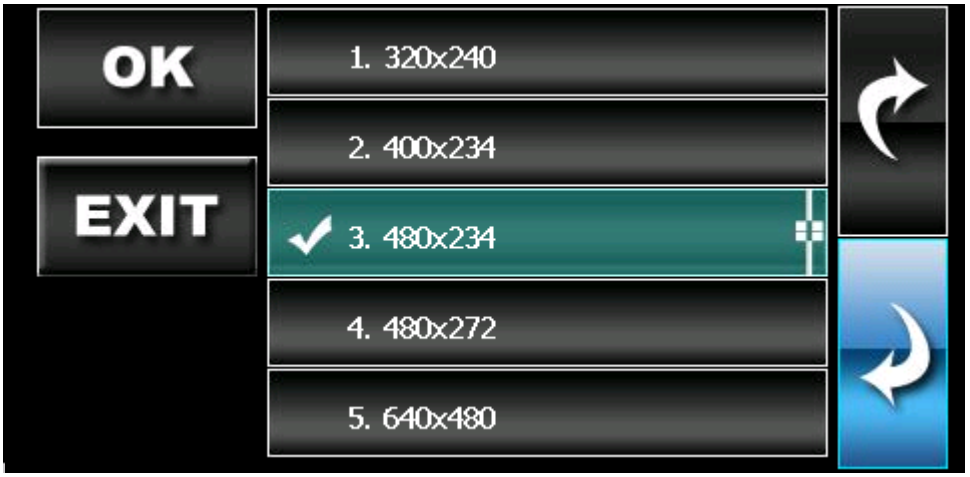
If the image is not in the middle, and you can't see the edge, please make an adjusting until you can see the complete image.

P.S.: When you adjusted to a wrong value, you might lost image, but as long as you didn't click "Save," please restart CS9200 and you can reset the values.

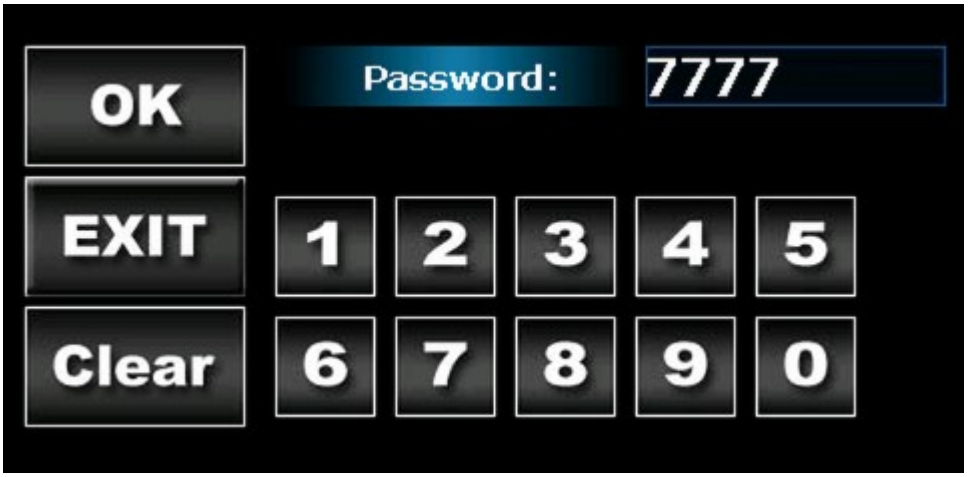
Panel, input code: 7777



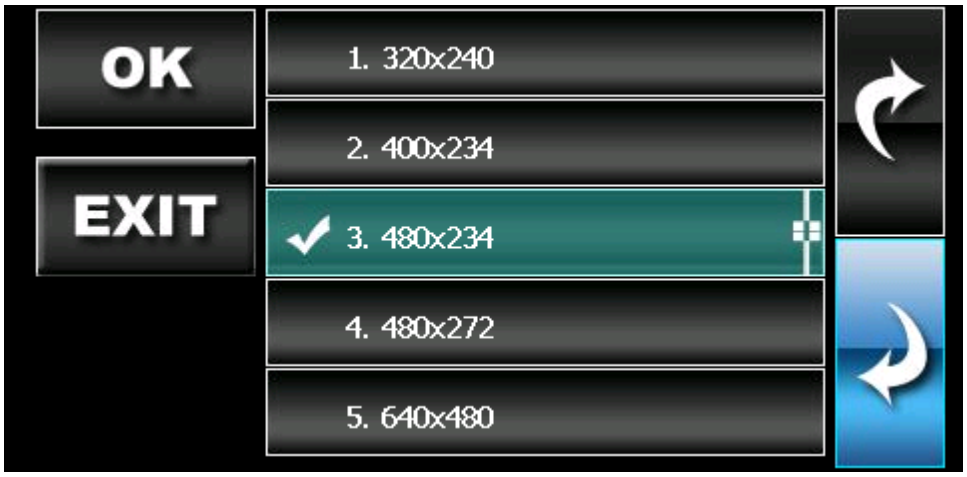
Select the right panel model to match your car monitor in order to enable touching control and successful display.



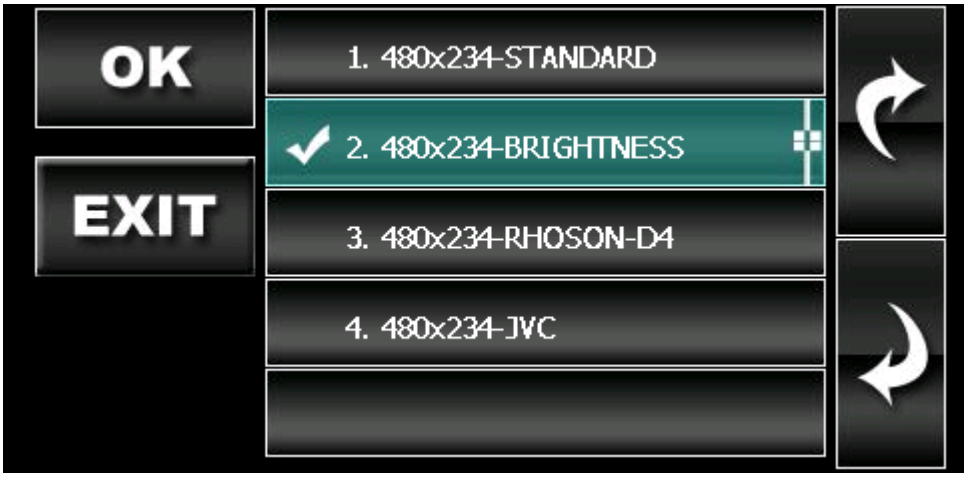
Resolution, input code: 7777



1st level, Select the correct resolution, and click "OK":

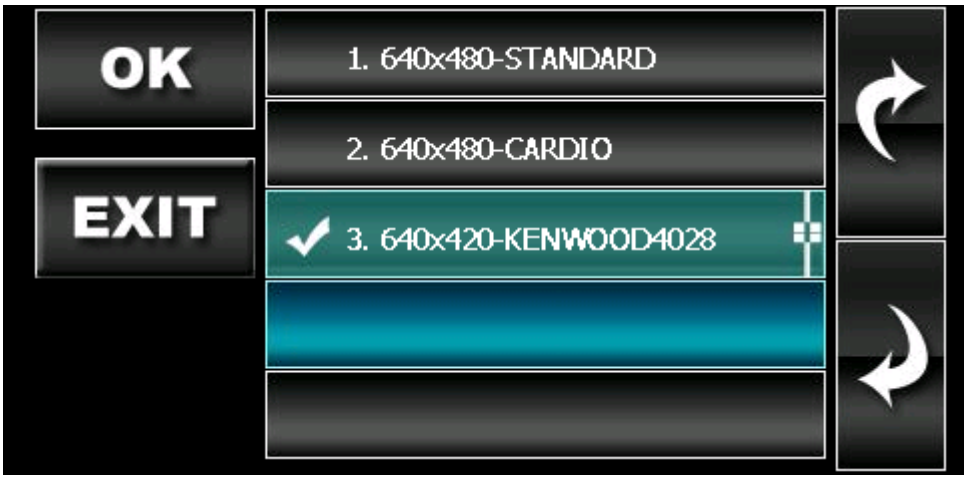


2nd level, select the matched resolution with your panel, and click "OK" again, then the right setting is saved.

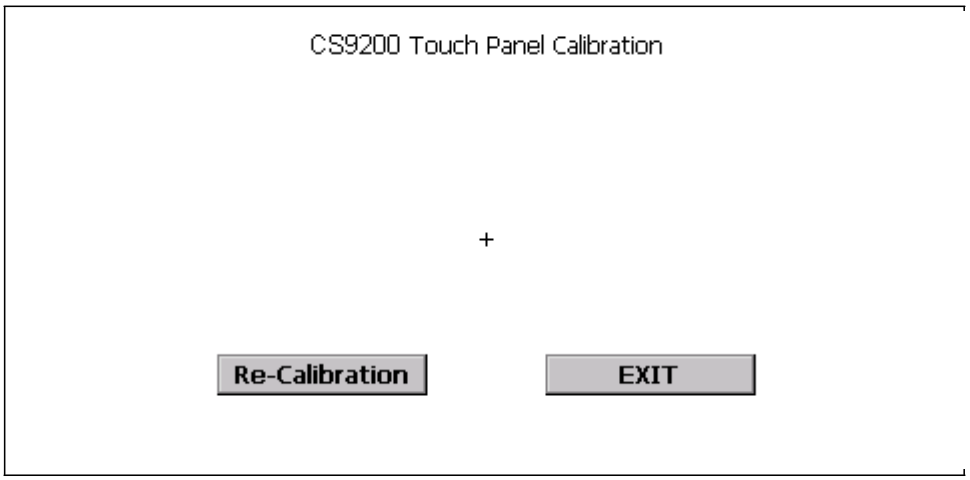


When your Kenwood panel's resolution is "640x420", please select "640x480" and you need to use map of resolution 640x480

OK
EXIT
1. 320x240
2. 400x234
3. 480x234
4. 480x272
5. 640x480


OK
EXIT
1. 640x480-STANDARD
2. 640x480-CARDIO
3. 640x420-KENWOOD4028

Calibration



Touch “+” to ensure correct icon response.

Main Menu II

Setting page of System

Open Windows Explorer

Extra video input, or Digital TV access (Optional)

back to last page

Rear Camera access (Optional)

Setting page of Poi Detector (Optional)

Setting page of Radar Detector (Optional)

to next page

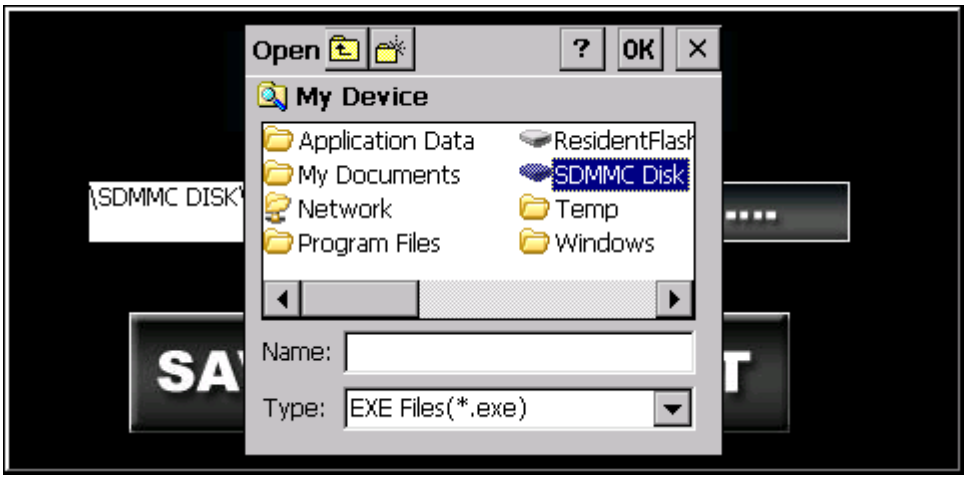
System

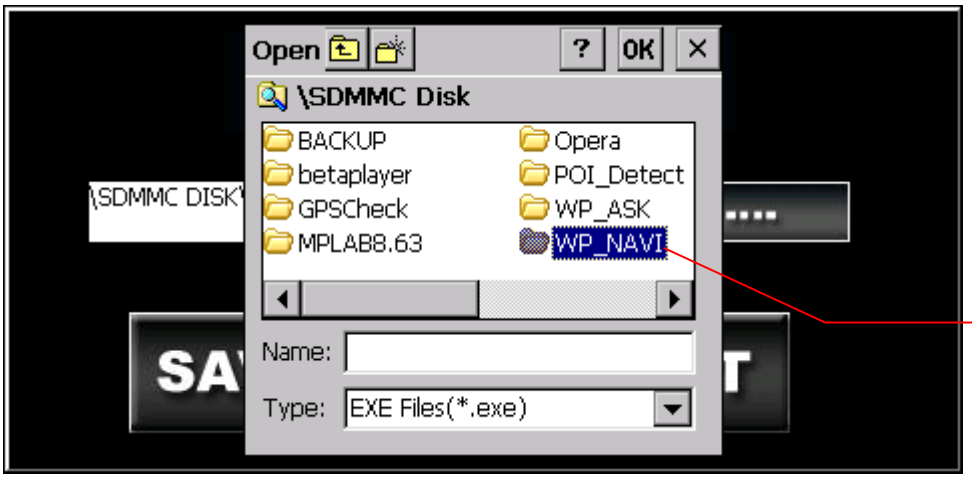
1. **“Auto Run Navi ON” means the system would enter into the map software directly, otherwise it won’t.**

2. Steps of changing the map’s path:

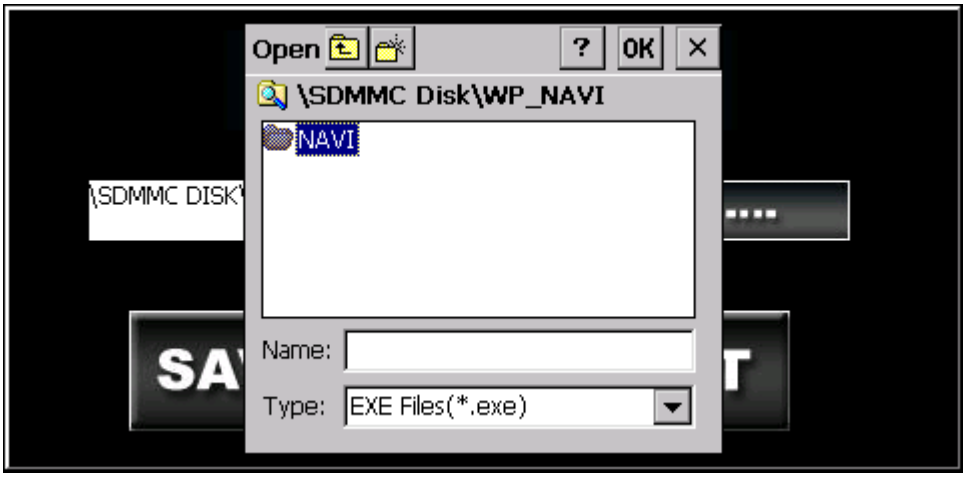
First of all, please put the map’s file into SD card, and insert SD card to CS9200, then, click icon “System” □ “Navi Path”

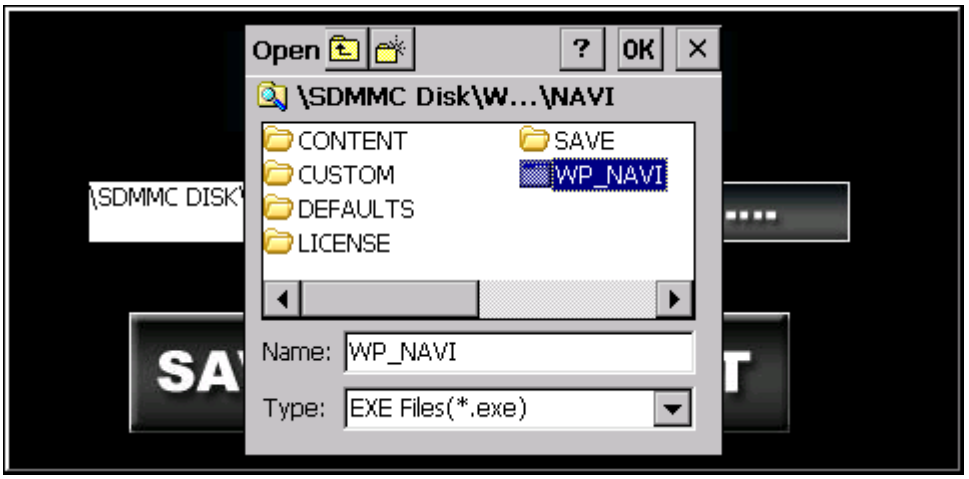
Browse, and select "SDMMC Disk"



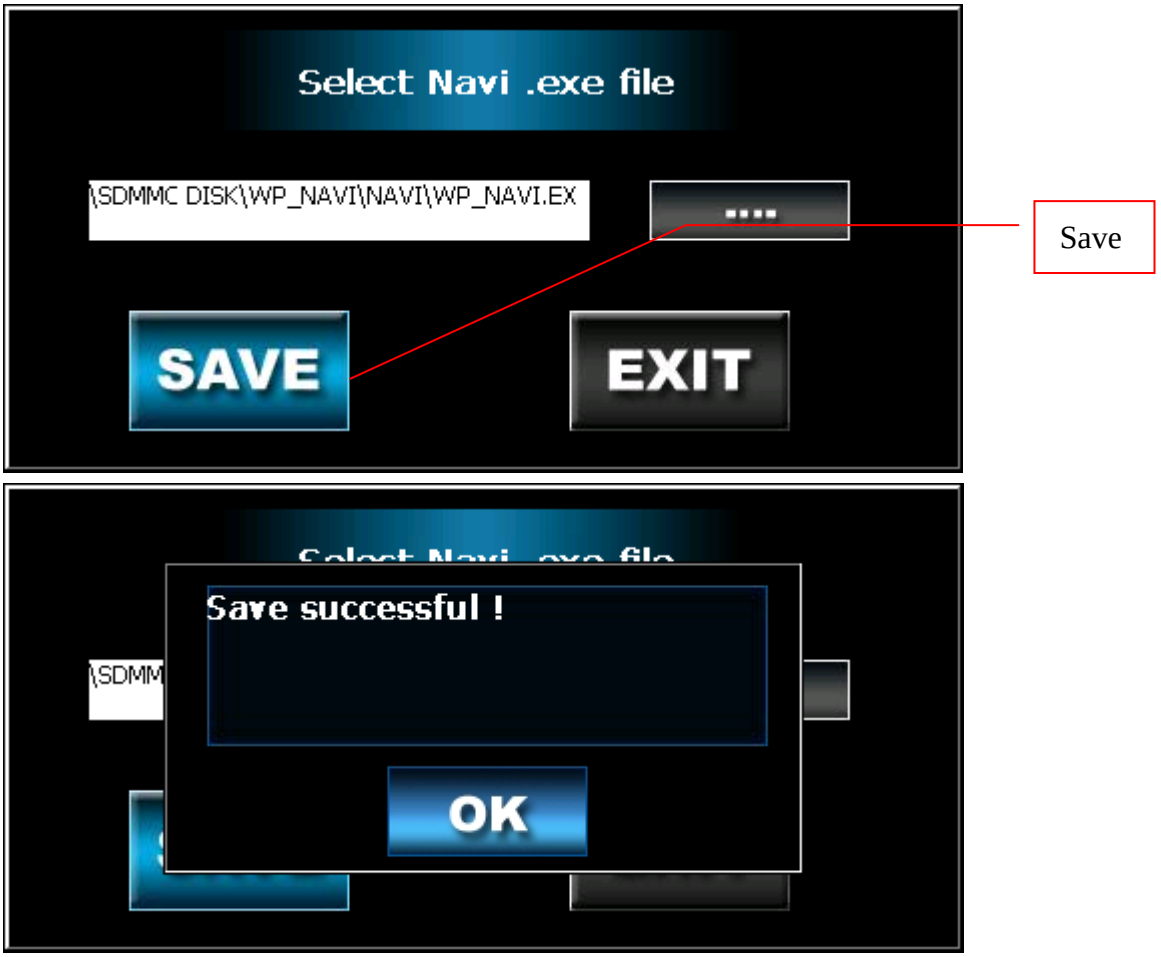


Enter correct folders and continually find ".exe" file





Complete setting your map's path



Note: the pre-setting of map's path is:
\SDMMC DISK\WP_NAVI\NAVI\WP_NAVI.EXE

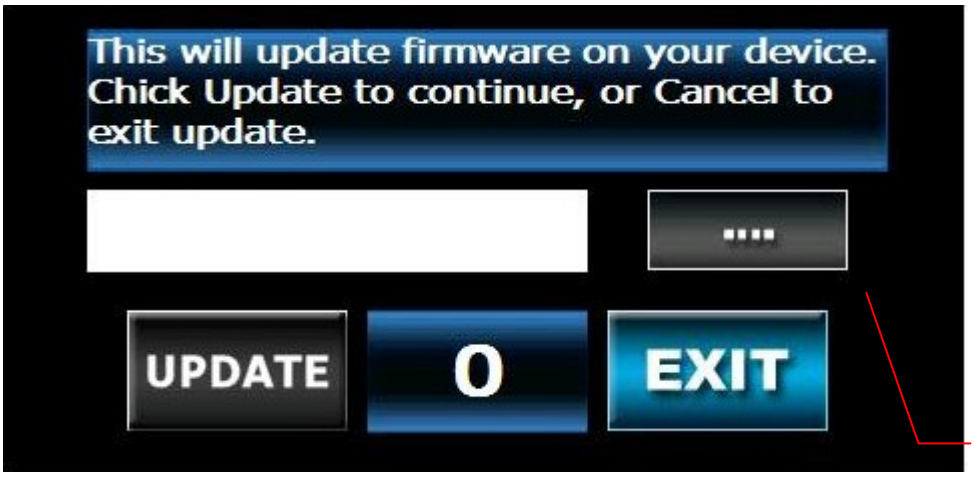
By above steps, you can change map's path for your own CS9200.

3. Steps of Firmware Updating:

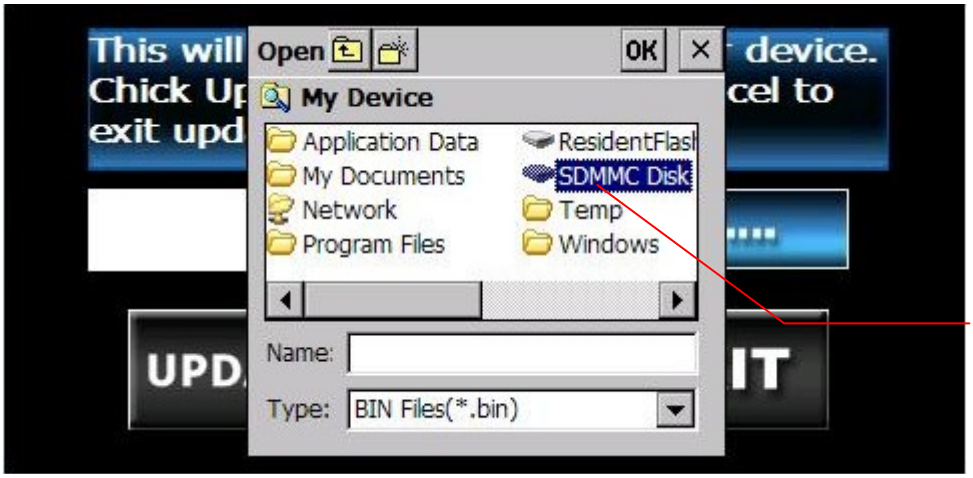
Put the appropriate file to SD card and plug SD card into the device, then press the button of "Update Firmware" and wait for the system to finish Firmware updating.

a. **Firmware updating should be finished several mintutes.**
b. **If you found updating stuck, please restart navigation box and try again.**
c. **During firmware updating, please don't operate CS9200.**

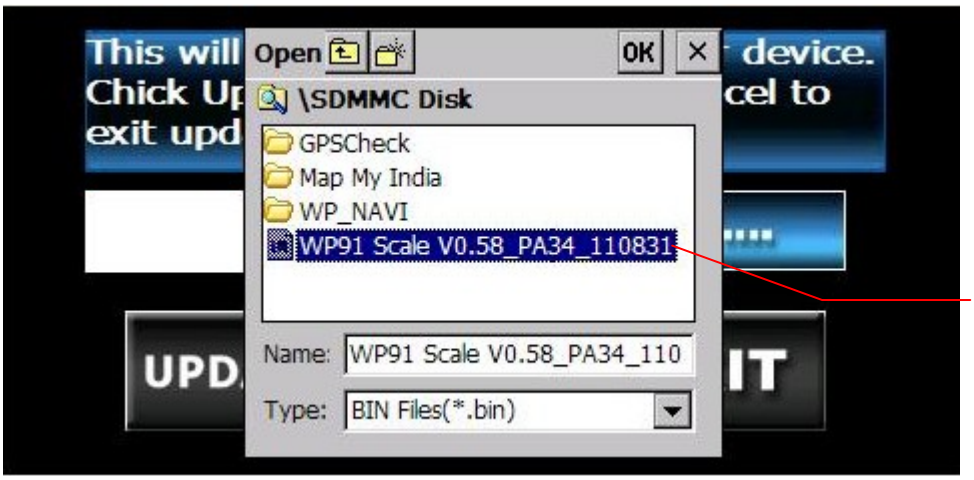
Click Here



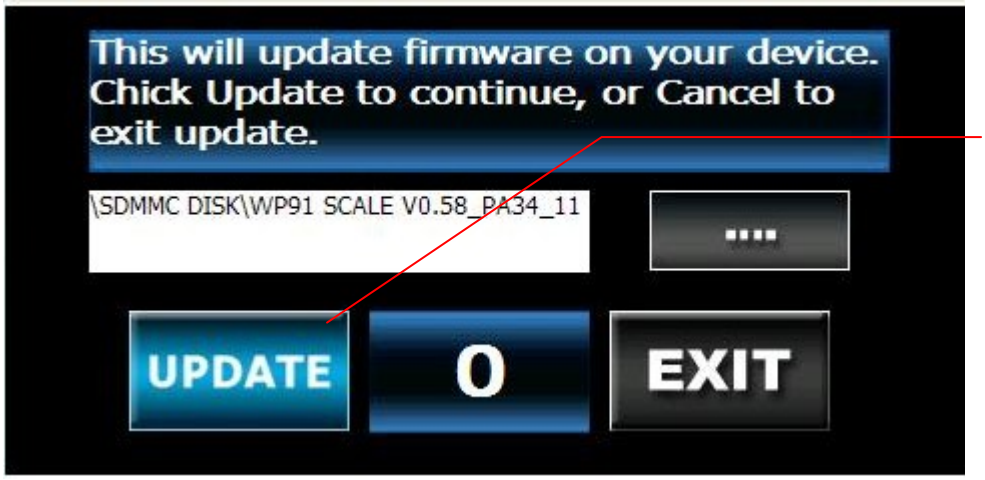
Click Here to open updating file



Search from SDMMC Disk



Look for a file of ".bin" type



Click "UPDATE;" wait until it's counted "100" and you see "Updated Successful."

4. Update logo:

"Update Logo" can help you change the start-up picture.

To change start-up picture, please follow the steps:

a. prepare 7 pictures, 24bit bmp file, containing following resolution: 320x240, 400x234, 480x234, 480x272, 640x480, 800x480, 640x240.

b. The file names of 7 pictures have to be like following, consistent with the resolution:
   logo320240.bmp
   logo400234.bmp
   logo480234.bmp
   logo480272.bmp
   logo640480.bmp
   logo800480.bmp
   logo640240.bmp

c. Put the 7 pictures you prepared into SD card root, insert CS9200, and click "UPDATE," then your start-up picture is updated. Please restart CS9200 to see.

5. Shortcut to Menu On:

If "Shortcut to Menu On" is selected, it means when CS9200 is navigating in the map, you can access main menu with pressing right bottom corner of your touch panel for more than 2 seconds. And when you access main menu, navigating will keep going.

Main Menu III

3G device (Optional)

Setting page of Wireless (Optional)

Select Browser to surf the Internet (Optional)

back to last page

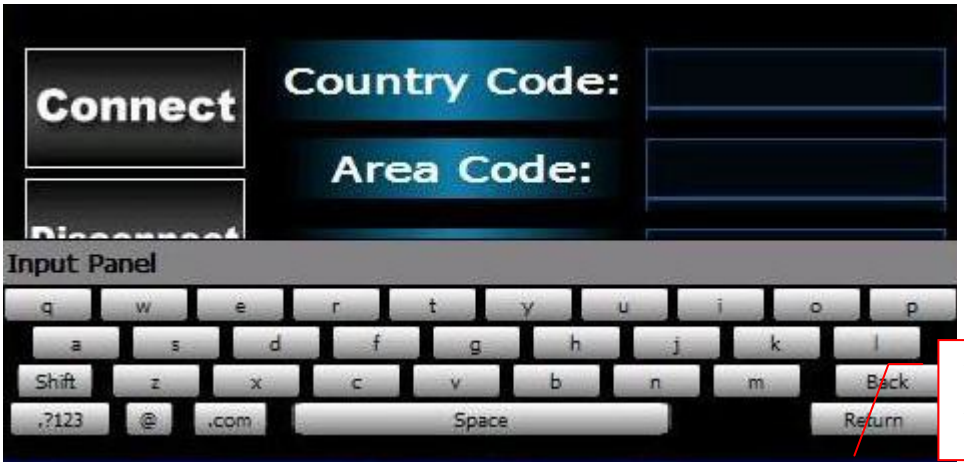
Check System Time

Gyro system access (Optional)

Tracking system access (Optional)

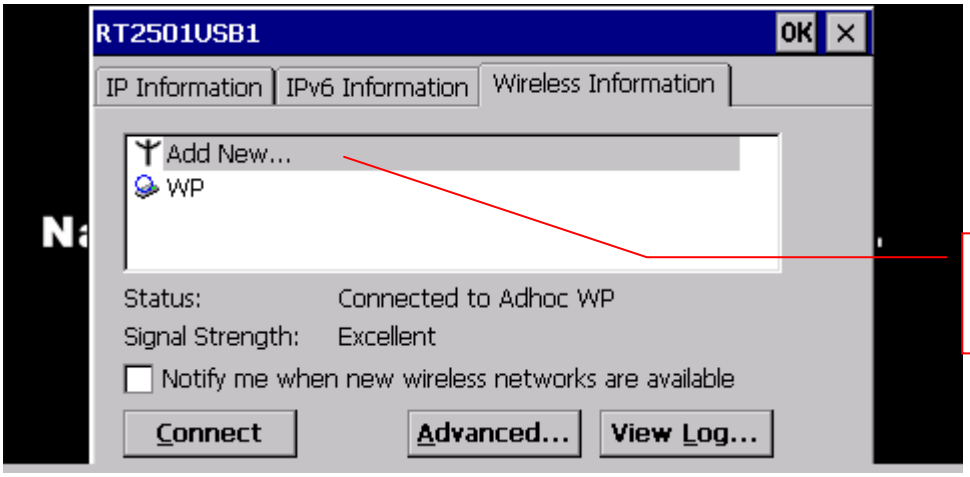
to next page

3G

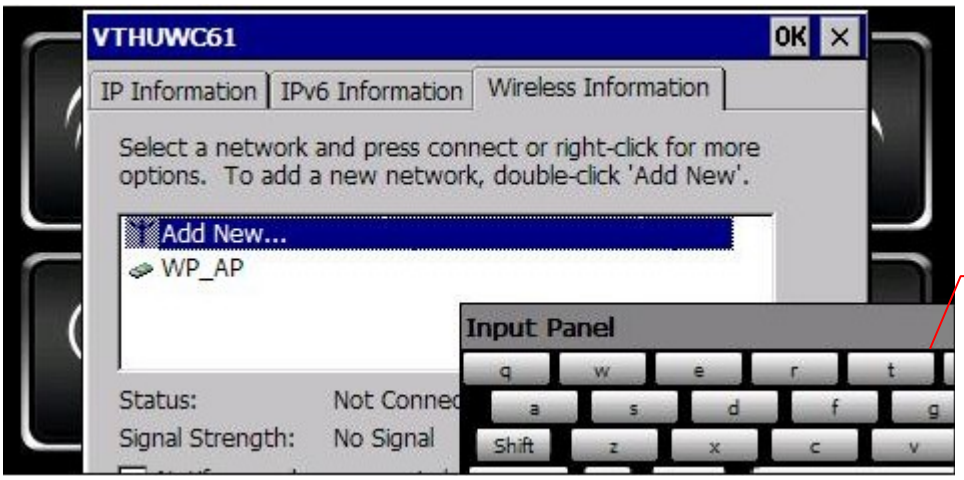


Use Input Panel to key in the data

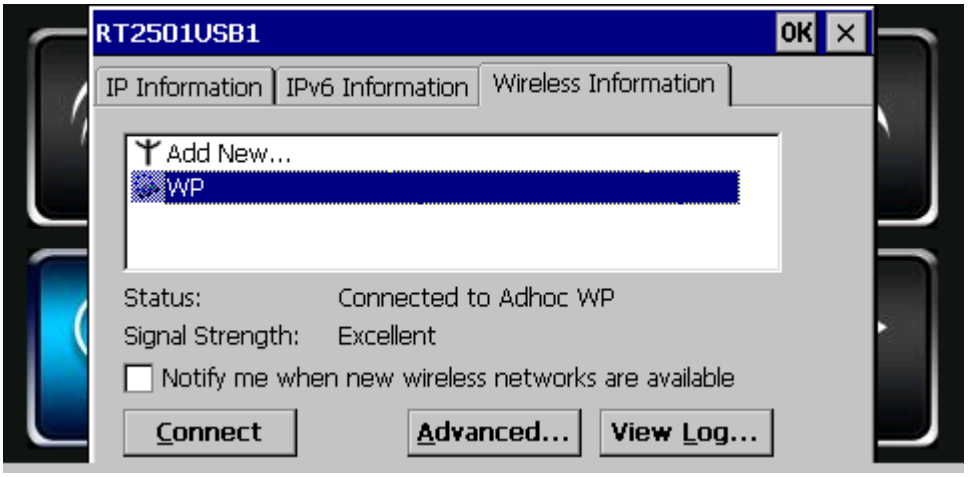
Wireless



Click Here to Add New Wireless network



Use Input Panel to key in the data and select “OK” to save



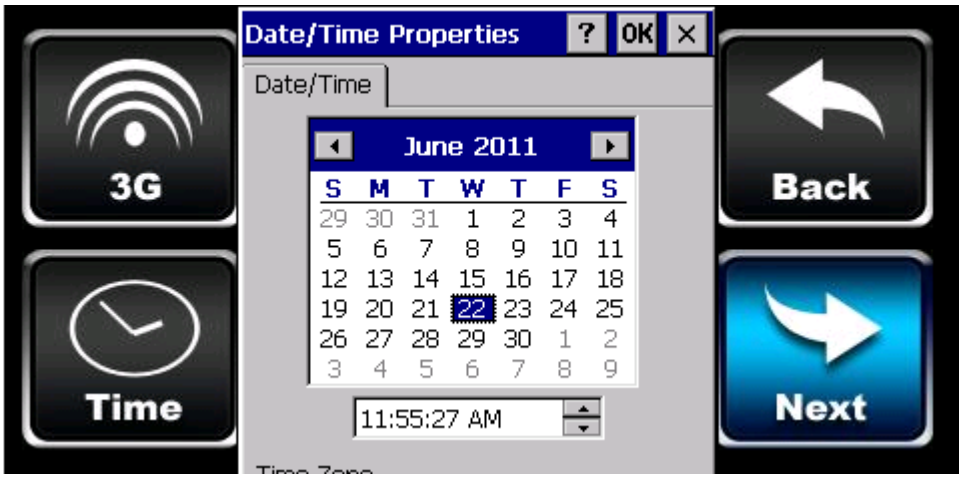
After finishing the setting of Wireless Network, please select the network you need and “Connect.”

IE

Select the browser with which you want to surf the Internet.

Time

Select correct zone, date, and time



Main Menu IV

Bluetooth system access (Optional)

Cursor Hide

Choose Power Mode for system

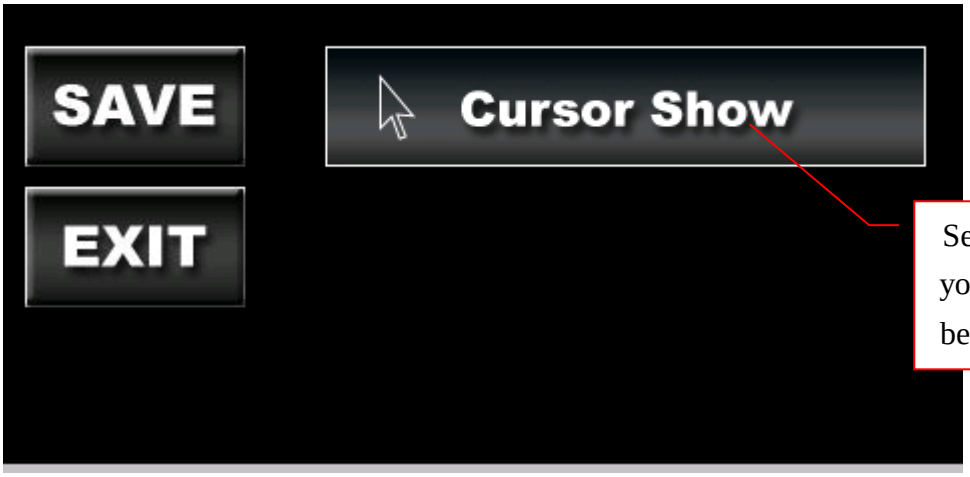
back to last page

Choose UART connecting device for system

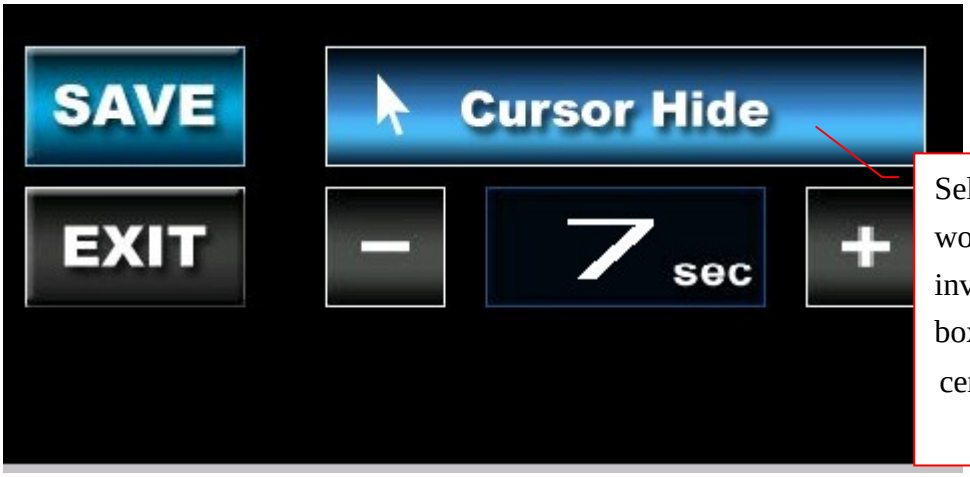
USB device

Check information of system

Cursor



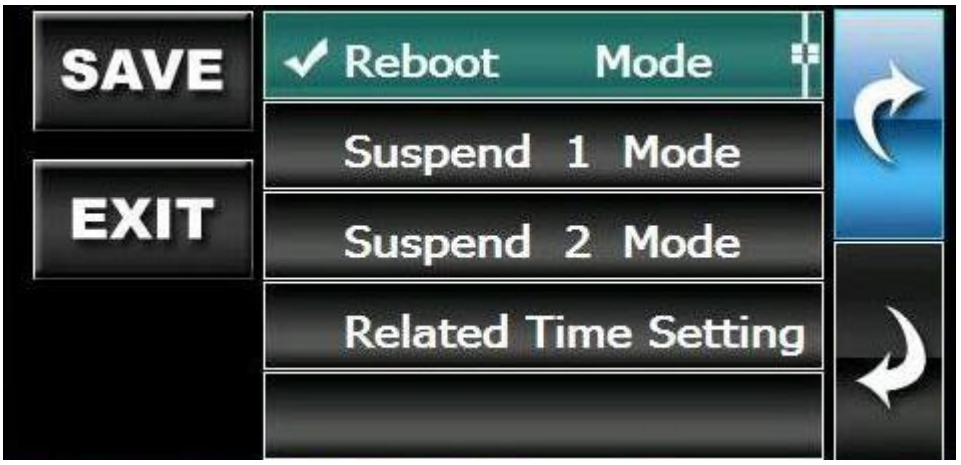
Select “Cursor Show” if you would like cursor to be visible all the time.



Select “Cursor hide” if you would like cursor to be invisible when navigation box hasn’t been operated for certain seconds.

Power Mode

Select Power Mode for device:



Reboot Mode: GPS back up only; once you restart CS9200, GPS re-positions, and navigation restarts.

Suspend 1 Mode: When you restart CS9200, navigation starts at where you turn off CS9200.

P.S.: Suspend 1 Mode needs lots of power consumption when you turn off CS9200; thus, it could lead car battery to run out of power if you leave your car not started for too long.

Suspend 2 Mode: TBD

Related Time Setting: TBD

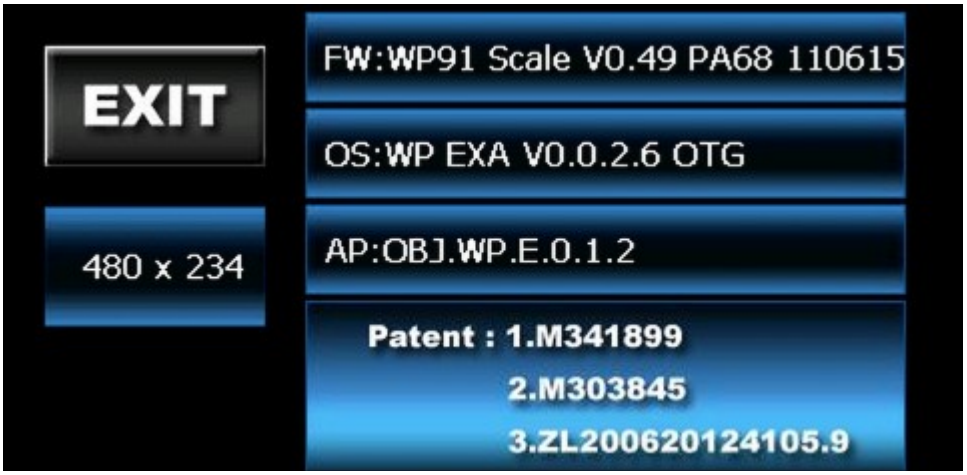
UART

Select UART connecting device and save.

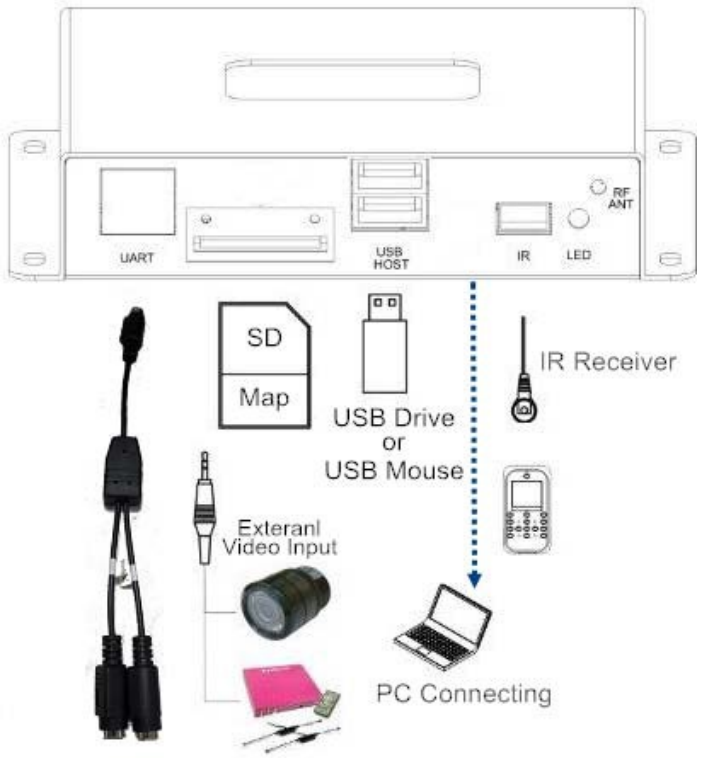
If you only have 1 device for Uart port, and didn't purchase "2-port Uart cable (optional)," please select your device on "UART A." If you have purchased "2-port Uart cable," please select correct device according which port (A or B) you connected to the device.

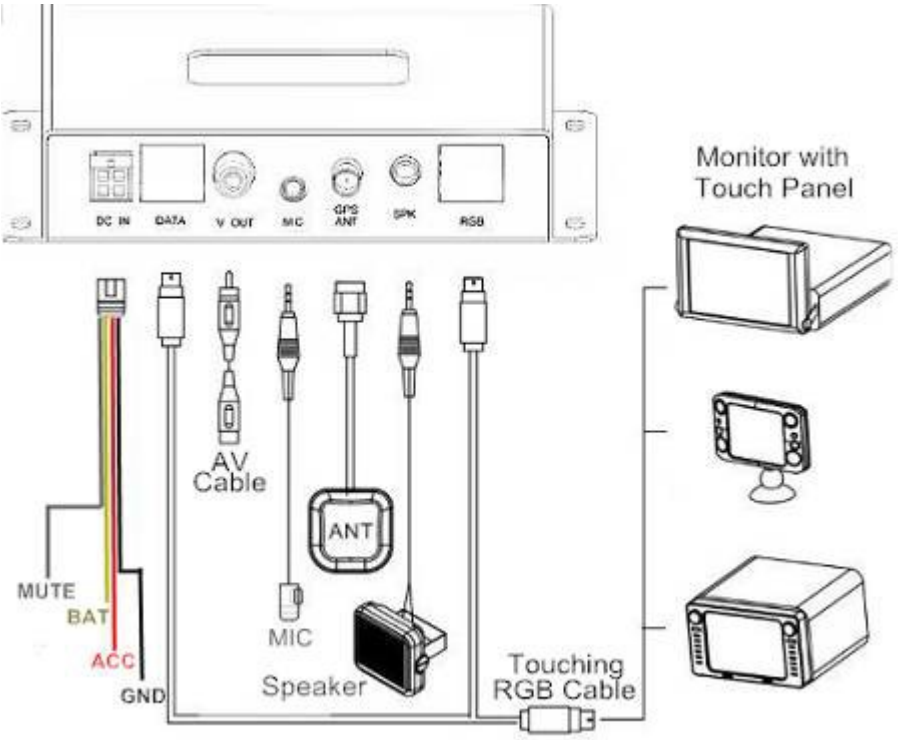
Info.

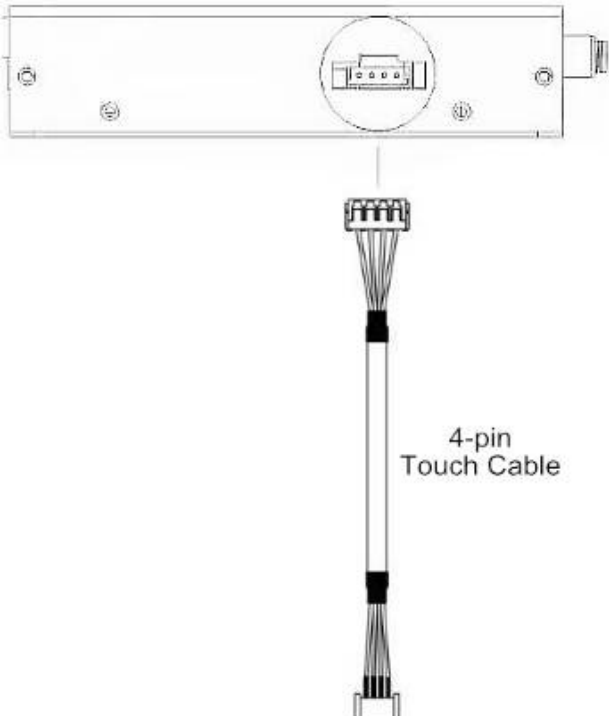
Check Firmware and OS version.

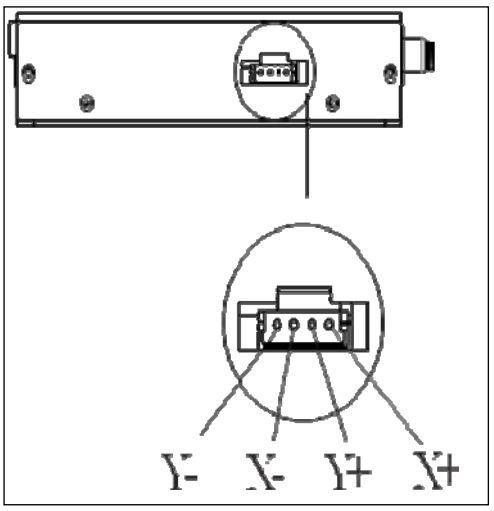


Installation




DC IN
DATA
V OUT
MIC
GPS ANT
SPK
RSB
Monitor with Touch Panel
AV Cable
ANT
MUTE
BAT
ACC
GND
MIC
Speaker
Touching RGB Cable


4-pin Touch Cable


Y-
X-
Y+
X+

How to install the navigation box to your vehicle:

1. Plug the Map SD card into the navigation box.
2. Connect port "DC IN" (Navigation Box) with power cable; on power cable, ACC to Car ACC, BAT to Car battery, GND to ground, and MUTE to mute wire from monitor.
Note: please DON'T connect BAT and ACC together.
3. Connect GPS antenna, and put it where you can receive GPS signal well.
4. Link RGB (9 pin) cable, Data (8 pin) or AV cable to your monitor and use USB mouse to select the right panel.
Note: on RGB cable, you could see PIN 1 and PIN 2,
PIN 1=external navigation mute
PIN 2=rear camera trigger

5. If you have touch screen, connect 4-pin touch cable to the 4-pin hole on the side of navigation box.
Note: if you couldn't see any image after you link RGB cable to the monitor, please proceed the following steps:

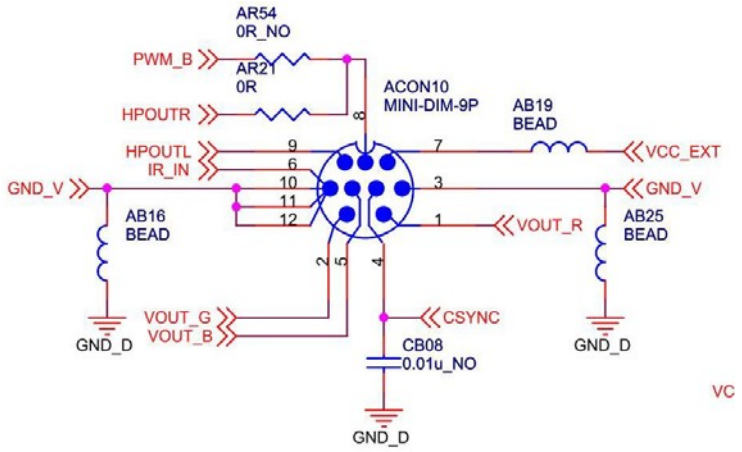
1. **Make sure that you connect AV cable well and USB mouse to adjust panel setting and try again.**
2. **Enter your SD card with PC and find a file called, "LCD92.inf." Then, key in the right "resolution" and "panel," save and insert SD card to CS9200 again.**

External accessories connecting:

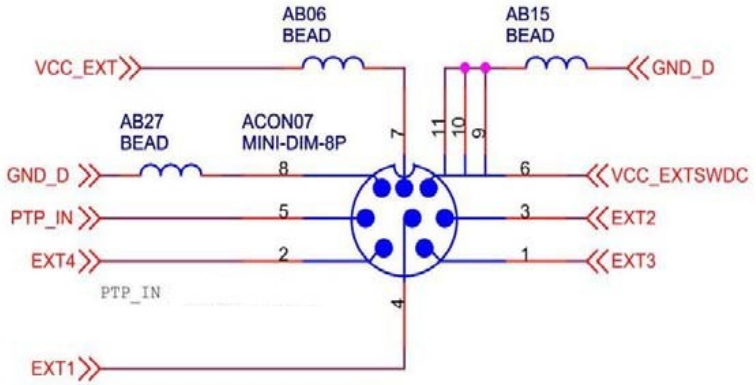
A1. SPK port: for eternal speaker.
A2. UART port: for TMC, Bluetooth, Radar Detector, or Vehicle tracker device.
A3. USB HOST port: for USB mouse, Gyroscope or Wireless Network device.
A4. USB port: PC connecting.
A5. IR port: for IR receiver or some RGB.
A6. V IN port: for Digital TV box or Rear camera.

Pin definition:

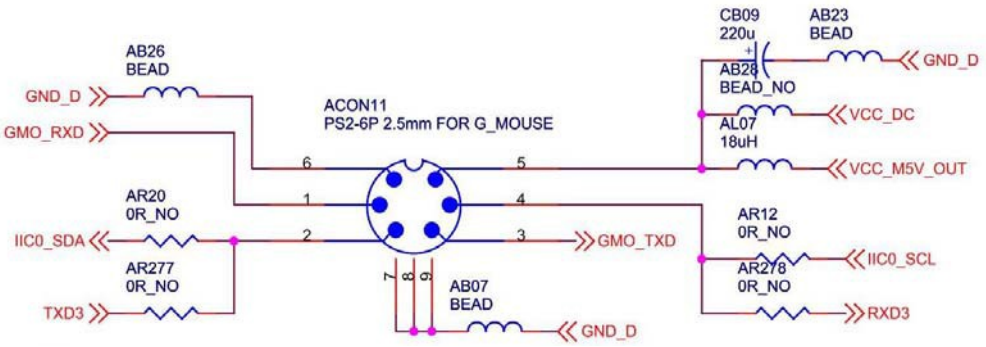
RGB:



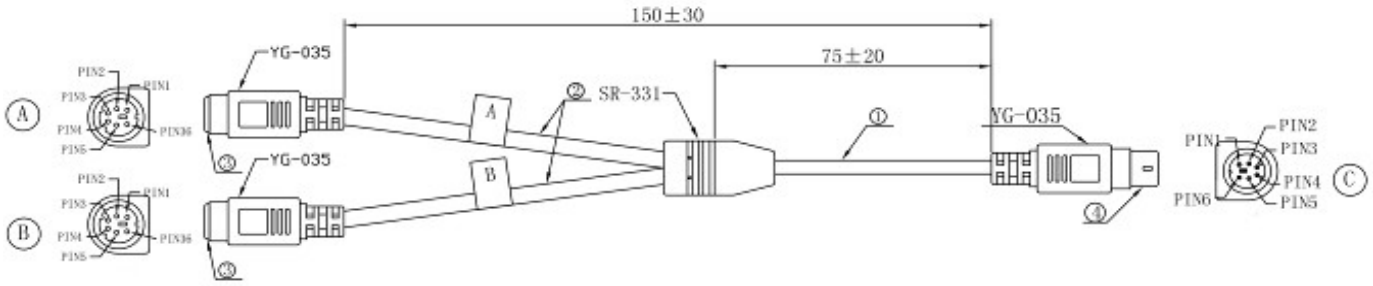
Data:



Uart:



2-port Uart cable (optional):



	Ⓒ	Ⓑ	Ⓐ
ACC	PIN6	PIN6	PIN6
RXD3	PIN5	PIN5	
TXD	PIN4		PIN3
TXD3	PIN3	PIN3	
RXD	PIN2		PIN5
GND	PIN1	PIN1	PIN1

Reset CS9200 with LCD92.INF:

When wrong resolution is selected, the image will disappear or become unstable. Under this situation, please follow below steps to reset CS9200:

1. Get the file, “LCD92.inf” from your distributor
2. put the file into an empty 2G SanDisk SD card
3. insert the SD card into CS9200, and restart CS9200 3 to 5 times.

Note: If there is nothing appearing from monitor, please wait about 30 seconds and power off/on CS9200 again.

4. then you should have stable image again, please take out SD card and delete the file.

Note: As long as the “LCD92.inf” file existed in SD card with CS9200, it will erase the previous resolution setting.

LCD92.inf file:

LCD92 - 記事本
//***
//Once you change any value f om this file,
//the new setting will be effective afteyou poweoff/on the Havi Box.
//Hote:If thee is nothing appea ing f om monito.please wait about 30 seconds and
// poweoff/on Havi Box again.
//***
DRHB=50
DRHS=480
DRUB=50
//HSPW=13
//HFPD=11
//HBPD=13
//USPW=3
//UFPD=25
//UBPD=30
Resolution=55
//RES 480x234 OHLY=14
//RES:480x234:0HLY_B ightness=34
//RES 640x480 I 0 WP92=43 ;in 640x480 / out 640x480 by pass
//RES-800x480_I_O_WP92=55 CS8556 input 800x480 and output 800x480 by pass fo
//RES-480x272_I_O_WP92=56 CS8556 input 480x272 and output 480x272 by pass fo
//RES-400x234_I_O_WP92=57 CS8556 input 400x234 and output 400x234 by pass fo
//RES-320x240_I_O_WP92=58 CS8556 input 320x240 and output 320x240 by pass fo
//RES-I 640 4S0-0-640 420 KENWOOD 4028 WP92=59
//RES-I-800-480-0-640-420-KEHWOOD-4028-WP92=61
//RES-I-800-480-0-800-480-BP DAIWOOCO 1105 WP92=62
t/REs-I-640x48o_o_640x480-BP-cARDio wP92=6a
//RES-I-480x234-0-480x234-BP-RHOSON-S60 WP92=64
//RES-I-800x480-0-800x480-BP-RHOSOH-S60-WP92=65
//RES-I-480x234-0-480x234-JUC WP92=;67-
//RES:I:320x240:o:320x240:BP_SPYKER_WP92=68
Panel=2
//CARDIO=O
Select the correct resolution and save.